

FY 1998 Technology Deployment in Environmental Management

Solutions of the Future at the INEEL

*Site Technology Coordination Group
U.S. Department of Energy, Idaho Operations Office*



INEEL



Remedial Action Management System

Problem: A real-time management approach is required to expedite site assessment and decision making at environmental remediation projects.

Baseline Technology: Manual acquisition of measurements and samples for subsequent analysis, data compilation, mapping, and archiving.

Innovative Technology: The INEEL-developed RAMS allows real-time integration of positional data and sensor input providing the remediation project manager with a fully documented, high-resolution map of site contamination.

Comparison: RAMS allows the remediation manager to make decisions within 24 hours of data acquisition as compared to low-resolution maps that commonly take more than 30 days to develop.

Cost Savings: Use of the RAMS at FEMP is expected to reduce pre-certification soils characterization costs by approximately \$ 34,253 K (DOE-0965-98).

